



Expanded MAP

*PowerPoint Presentation Prepared by
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DESE/3/14/05, revised
11/29/05

Expanded MAP



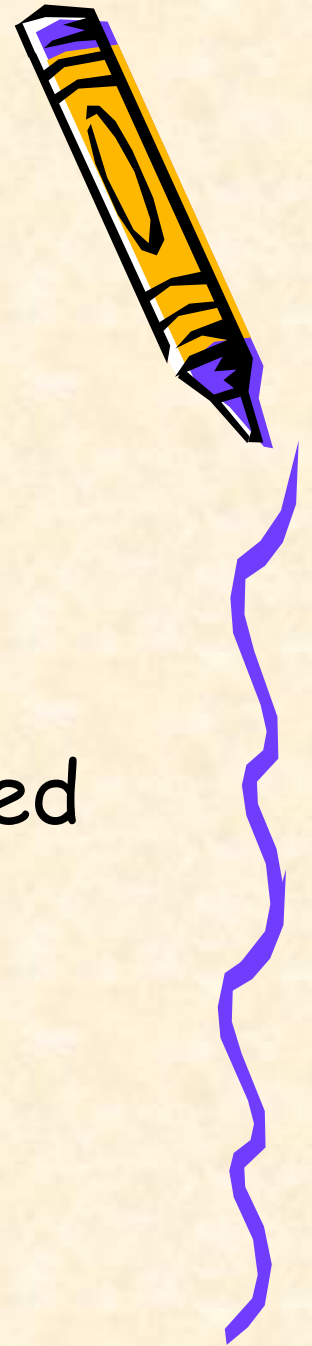
- The expanded MAP complies with NCLB and includes annual grade-level tests in Communication Arts and Mathematics (spring 2006) and the revised grade-span tests in Science (spring 2008).
- Student performance will be reported using 4 achievement levels.



A Brief History of the MAP

- 1993 Outstanding Schools Act passed by the Missouri Legislature and signed by the governor
- 1996 Show-Me Standards approved by the Missouri State Board of Education

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A Brief History of the MAP (con't.)

- 1996 Frameworks for Curriculum Development published
- 1997 Annotations to the Curriculum Frameworks published
- 1998 First required year for Mathematics MAP test



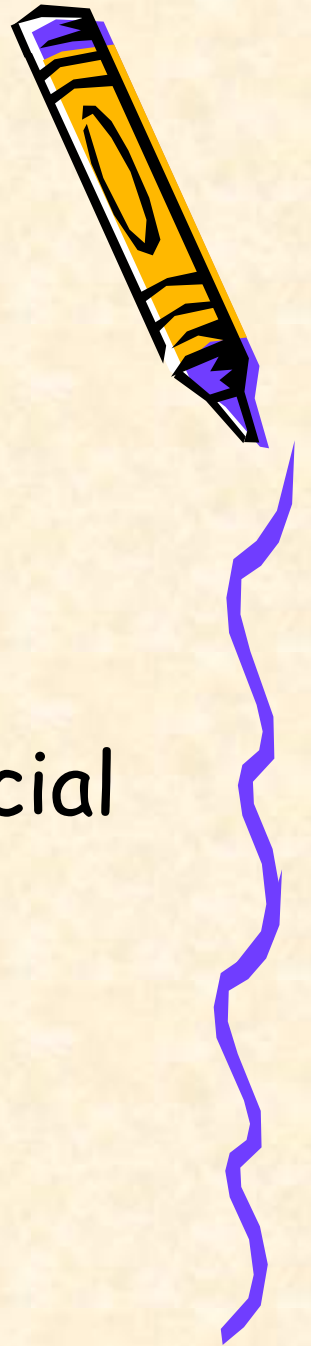
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A Brief History of the MAP (con't.)

- 1999 First required year for Communication Arts and Science tests
- 2000 First required year for Social Studies test
- 2001 Mathematics Curriculum Supplement published

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A Brief History of the MAP (con't.)

- 2001 No Child Left Behind Act (NCLB) passed by US Congress
- 2004 Grade-Level Expectations published
- 2005 Last year for grade-span tests in Communication Arts and Mathematics



Development of the Expanded MAP (CA & MA)



- May 2003 - Item Writing
- October 2003 - Item Pilot
- November 2003 - Score, Revise
- March 2004 - Content and Bias Review
- Summer, Fall, Winter 2004 - Item Refinement
- Missouri Educators involved in all steps



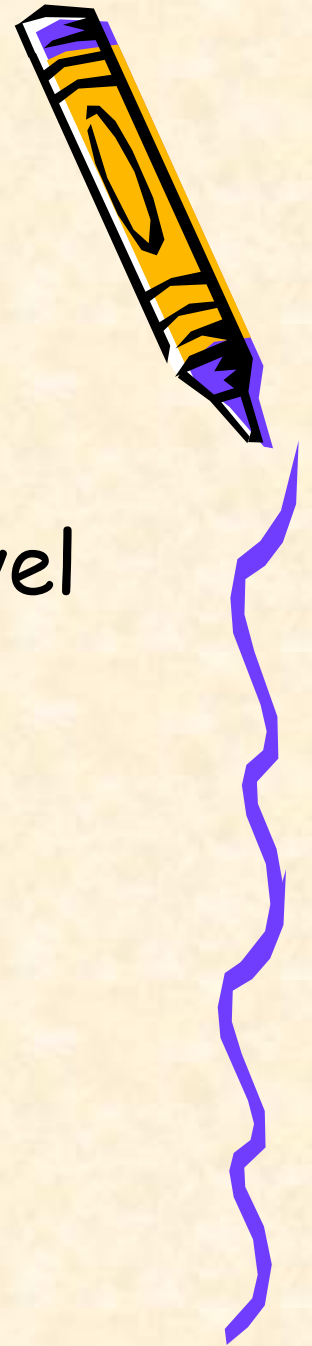
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Development of the Expanded MAP (con't.)

- May 2005 - Field Test
- December 2005 - Achievement-Level Setting
- March/April 2006 - Operational Testing
- Missouri Educators involved in all steps



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Characteristics of the Expanded MAP

- The grade-level Mathematics and Communication Arts MAP tests include items derived directly from the GLEs.
- The grade-level Mathematics and Communication Arts MAP tests will be shorter but just as rigorous as the grade-span MAP tests.



Characteristics of the Expanded MAP (con't.)



- The Communication Arts and Mathematics tests will include the following types of questions: Selected Response (SR), Constructed Response (CR), Performance Event (PE)/Writing Prompt (WP).
- The Science tests will be given at grades 5, 8, 11, starting in the spring of 2008 (aligned to new GLEs and including SR, CR, and PE items).



Design of the Mathematics MAP Tests

Grade 3	Number of Items			Time (in Minutes)
Session	SR	CR	PE	
1	23	4	0	60-90
2	32	3	0	60

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Design of the Mathematics MAP Tests (con't.)



Grade 4	Number of Items			Time (in Minutes)
Session	SR	CR	PE	
1	23	6	1	60-90
2	32	3	0	60



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Design of the Mathematics MAP Tests (con't.)



Grades 5, 6, 7	Number of Items			Time (in Minutes)
Session	SR	CR	PE	
1	23	4	0	60-90
2	32	3	0	60



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Design of the Mathematics MAP Tests (con't.)



Grade 8	Number of Items			Time (in Minutes)
Session	SR	CR	PE	
1	23	6	1	60-90
2	32	3	0	60



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Design of the Mathematics MAP Tests (con't.)



Grade 10	Number of Items			Time (in Minutes)
Session	SR	CR	PE	
1	25	6	1	60-90
2	25	4	0	60

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Test Blueprint: MAP Mathematics



Grade 3 Mathematics Strand	Emphasis
Number and Operations	31%
Geometric and Spatial Relationships	14%
Measurement	19%
Data and Probability	17%
Algebraic Relationships	19%



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Test Blueprint: MAP Mathematics (con't.)

Grade 4 Mathematics Strand	Emphasis
Number and Operations	27%
Geometric and Spatial Relationships	17%
Measurement	19%
Data and Probability	17%
Algebraic Relationships	20%

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Test Blueprint: MAP Mathematics (con't.)



Grades 5, 6, & 7 Mathematics Strand	Emphasis
Number and Operations	26%
Geometric and Spatial Relationships	18%
Measurement	18%
Data and Probability	19%
Algebraic Relationships	19%



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Test Blueprint: MAP Mathematics (con't.)

Grade 8 Mathematics Strand	Emphasis
Number and Operations	22%
Geometric and Spatial Relationships	17%
Measurement	18%
Data and Probability	20%
Algebraic Relationships	23%

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Test Blueprint: MAP Mathematics (con't.)

Grade 10 Mathematics Strand	Emphasis
Number and Operations	16%
Geometric and Spatial Relationships	20%
Measurement	14%
Data and Probability	20%
Algebraic Relationships	30%

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Ancillary Materials for the Mathematics MAP Tests



Reference Sheets

Grades 3 through 7 will not be provided a reference sheet. Necessary formulas and conversions will be included with the item.

Grades 8 and 10 will be provided with a reference sheet that contains formulas and conversions.



Ancillary Materials for the Mathematics MAP Tests (con't.)



Calculators

Grades 3 through 5 are not allowed to use calculators during any session of the test.

Grades 6 through 10 may not use calculators on the **first section of Session 2**. If schools choose to use calculators on the other parts of the test, students should be told in advance and given access to a calculator.



Ancillary Materials for the Mathematics MAP Tests (con't.)

Manipulatives

Students will be provided with a standard set of manipulatives for use during the test. No other classroom sets of manipulative materials will be allowed.

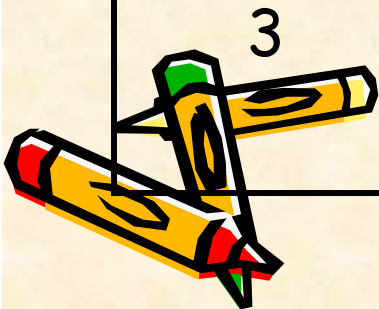
Grades 3 and 4	Grades 5, 6, 7, 8, and 10
Ruler (1/16 inch and millimeter increments)	Ruler (1/16 inch and millimeter increments)
Coins (5 pennies, 5 nickels, 5 dimes, and 5 quarters)	Protractor (grades 6, 7, 8, and 10)
Pattern Blocks (grade 5 also)	Tangrams (grades 6, 7, 8, only)

Design of the Communication Arts MAP Tests



Grade 3	Number of Items			Time (in minutes)
Session	SR	CR	WP	
1	2	4	0	30-40 minutes
2	0	0	1	60-90 minutes
3	45	4	0	81-101 minutes Part 1 - 30 minutes Part 2 - 15-25 minutes Part 3 - 25 minutes Part 4 - 5-10 minutes Language Mechanics and Spelling - 6 minutes

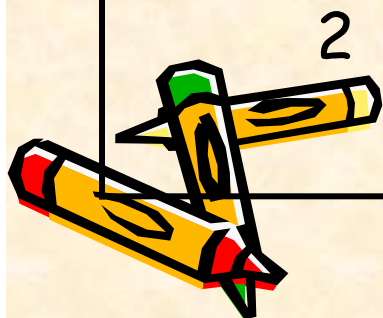
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Design of the Communication Arts MAP Tests (con't.)



Grade 4	Number of Items			Time (in minutes)
Session	SR	CR	WP	
1	2	4	0	30-50 minutes
2	45	4	0	96-111 minutes Part 1 - 35 minutes Part 2 - 15-25 minutes Part 3 - 35 minutes Part 4 - 5-10 minutes Language Mechanics and Spelling - 6 minutes

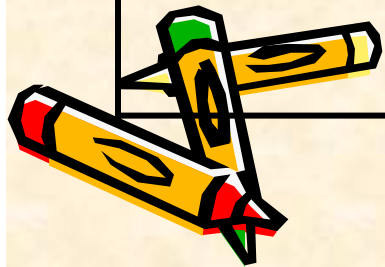


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Design of the Communication Arts MAP Tests (con't.)



Grade 5	Number of Items			Time (in minutes)
Session	SR	CR	WP	
1	2	4	0	30-50 minutes
2	45	4	0	96-116 minutes Part 1 - 30 minutes Part 2 - 10-20 minutes Part 3 - 40 minutes Part 4 - 10-20 minutes Language Mechanics and Spelling - 6 minutes

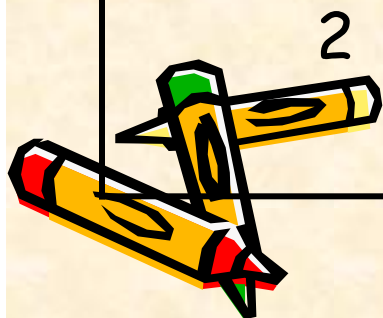


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Design of the Communication Arts MAP Tests (con't.)



Grade 6	Number of Items			Time (in minutes)
Session	SR	CR	WP	
1	2	4	0	30-50 minutes
2	45	4	0	91-111 minutes Part 1 - 25 minutes Part 2 - 15-25 minutes Part 3 - 40 minutes Part 4 - 5-10 minutes Language Mechanics and Spelling - 6 minutes

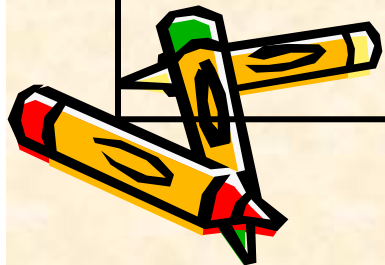


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Design of the Communication Arts MAP Tests (con't.)



Grade 7	Number of Items			Time (in minutes)
Session	SR	CR	WP	
1	2	4	0	30-40 minutes
2	0	0	1	60-90 minutes
3	49	4	0	90-105 minutes Part 1 - 30 minutes Part 2 - 10-20 minutes Part 3 - 35 minutes Part 4 - 5-10 minutes Language Mechanics and Spelling - 10 minutes



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Design of the Communication Arts MAP Tests (con't.)



Grade 8	Number of Items			Time (in minutes)
Session	SR	CR	WP	
1	2	4	0	30-50 minutes
2	49	4	0	95-105 minutes Part 1 - 30 minutes Part 2 - 10-20 minutes Part 3 - 35 minutes Part 4 - 10-20 minutes Language Mechanics and Spelling - 10 minutes

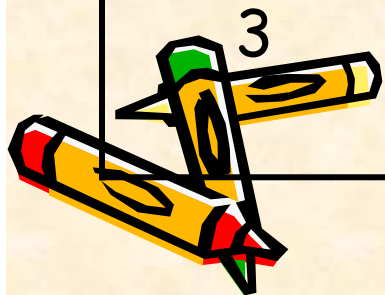


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Design of the Communication Arts MAP Tests (con't.)



Grade 11	Number of Items			Time (in minutes)
Session	SR	CR	WP	
1	2	4	0	40-50 minutes
2	0	0	1	60-90 minutes
3	49	4	0	90-105 minutes Part 1 - 30 minutes Part 2 - 10-20 minutes Part 3 - 30 minutes Part 4 - 5-10 minutes Language Mechanics and Spelling - 10 minutes



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Test Blueprint: MAP Communication Arts



Grade 3 Communication Arts Strand	Emphasis
Writing Standard English	31%
Reading (fiction and non-fiction)	69%



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Test Blueprint: MAP Communication Arts (con't.)



Grade 4 Communication Arts Strand	Emphasis
Writing Standard English	17%
Reading (fiction and non-fiction)	83%



Test Blueprint: MAP Communication Arts (con't.)



Grade 5 Communication Arts Strand	Emphasis
Writing Standard English	20%
Reading (fiction and non-fiction)	80%



Test Blueprint: MAP Communication Arts (con't.)



Grade 6 Communication Arts Strand	Emphasis
Writing Standard English	22%
Reading (fiction and non-fiction)	78%



Test Blueprint: MAP Communication Arts (con't.)



Grade 7 Communication Arts Strand	Emphasis
Writing Standard English	30%
Reading (fiction and non-fiction)	70%



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Test Blueprint: MAP Communication Arts (con't.)



Grade 8 Communication Arts Strand	Emphasis
Writing Standard English	23%
Reading (fiction and non-fiction)	77%



Test Blueprint: MAP Communication Arts (con't.)



Grade 11 Communication Arts Strand	Emphasis
Writing Standard English	29%
Reading (fiction and non-fiction)	71%



Ancillary Materials for the Communication Arts MAP Tests



- **Grade 3** - A standard dictionary, and extra paper for writing first drafts may be used only during Session 2.
- **Grades 7 and 11** - A standard dictionary, thesaurus, grammar handbook, and extra paper for first drafts may be during Session 2.
- **Grades 4, 5, 6, 8** - No tools may be used for any sessions of the test.



Design of the spring 2008 Science MAP Tests



Grade 5	Number of Items			Time (in minutes)
Session	SR	CR	PE	
1	0	18	0	55-110
2	0	0	1	50-95
3	25	5	0	55-80



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Design of the spring 2008 Science MAP Tests (con't.)



Grade 8	Number of Items			Time (in minutes)
Session	SR	CR	PE	
1	0	18	0	55-110
2	0	0	1	50-95
3	25	6	0	55-80



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Design of the spring 2008 Science MAP Tests (con't.)


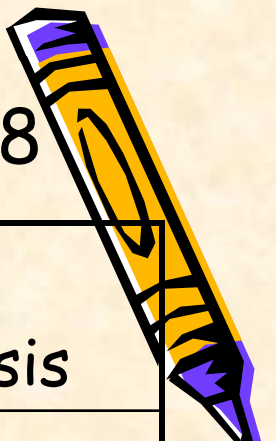


Grade 11	Number of Items			Time (in minutes)
Session	SR	CR	PE	
1	0	18	0	55-110
2	0	0	1	50-95
3	25	6	0	55-80




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Test Blueprint: MAP Science spring 2008


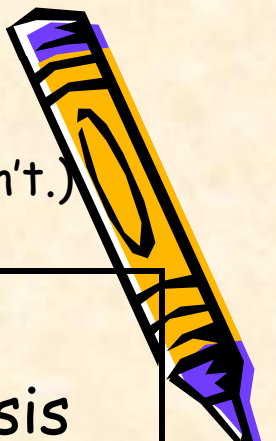


Grade 5 Science Strand	Emphasis
Properties and Principles of Matter and Energy	13%
Properties and Principles of Force and Motion	10%
Characteristics and Interactions of Living Organisms	11%
Changes in Ecosystems and Interactions of Organisms with Their Environments	11%




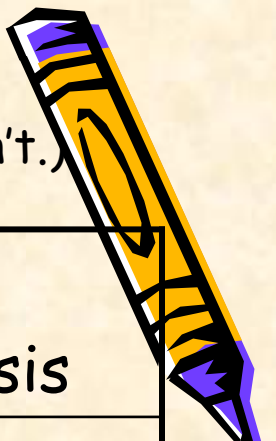
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Test Blueprint: MAP Science spring 2008 (con't.)




Grade 5 Science Strand	Emphasis
Processes and Interactions of the Earth's Systems	12%
Composition and Structure of the Universe and the Motions of the Objects Within It	11%
Processes of Scientific Inquiry	25%
Impact of Science, Technology, and Human Activity	8%


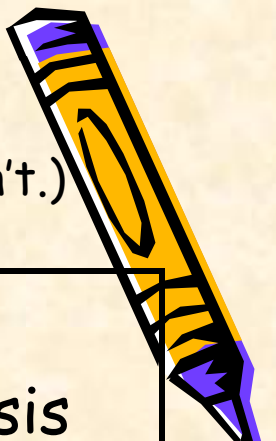
Test Blueprint: MAP Science spring 2008 (con't.)



Grade 8 Science Strand	Emphasis
Properties and Principles of Matter and Energy	13%
Properties and Principles of Force and Motion	8%
Characteristics and Interactions of Living Organisms	13%
Changes in Ecosystems and Interactions of Organisms with Their Environments	9%





Test Blueprint: MAP Science spring 2008 (con't.)




Grade 8 Science Strand	Emphasis
Processes and Interactions of the Earth's Systems	13%
Composition and Structure of the Universe and the Motions of the Objects Within It	10%
Processes of Scientific Inquiry	28%
Impact of Science, Technology, and Human Activity	7%


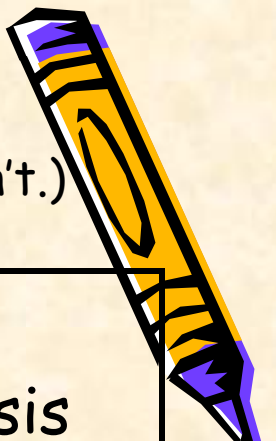
Test Blueprint: MAP Science spring 2008 (con't.)




Grade 11 Science Strand	Emphasis
Properties and Principles of Matter and Energy	13%
Properties and Principles of Force and Motion	11%
Characteristics and Interactions of Living Organisms	12%
Changes in Ecosystems and Interactions of Organisms with Their Environments	9%



Test Blueprint: MAP Science spring 2008 (con't.)



Grade 11 Science Strand	Emphasis
Processes and Interactions of the Earth's Systems	10%
Composition and Structure of the Universe and the Motions of the Objects Within It	9%
Processes of Scientific Inquiry	30%
Impact of Science, Technology, and Human Activity	7%



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